

CLAIMS

*PLB  
B*

5 An alternator for a vehicle, including two magnet comprising poles in the form of interlaced claws and at least one magnet interposed between the poles, wherein the magnet comprises two separate parts fixed to one another by a layer of material which is more flexible than the magnet.

10 2. The alternator of claim 1, wherein the material comprises iron.

*Subta*

15 The alternator of claim 1, wherein the magnet extends to the lateral faces of the associated poles, the layer of material extending along a plane parallel to the lateral faces of the poles.

20 The alternator of claim 1, wherein the layer of material extends at mid-distance from the associated poles.

5. The alternator of claim 1, wherein the layer of material extends along a median plane of the magnet, perpendicular to a direction of polarization of the magnet.

25 6. The alternator of claim 1, wherein the poles exhibit lateral faces in which grooves are formed in which the magnet is accommodated.

30 7. The alternator of claim 6, wherein the grooves have a "U"-shaped transverse profile.

35 8. The alternator of claim 6, wherein the grooves have a "V"-shaped transverse profile, one branch of the

"V" being generally parallel to a circumferential face of the pole.

*Subt a<sup>2</sup>*

5 The alternator of claim 1, wherein the poles have circumferential faces and lateral faces each uninterrupted from one to the other, the circumferential faces and inclined towards the ~~bottom~~ of the alternator.

10 [REDACTED] claim 1 to 9, wherein the magnet has a rectangular profile perpendicularly to a longitudinal direction of the magnet.

11. The alternator of claim 1, wherein the magnet 15 has a trapezoidal profile perpendicularly to a longitudinal direction of the magnet.

20 [REDACTED] The alternator of claim 1, wherein the magnet is bonded to at least one pole by means of an adhesive identical to the said material.

13. The alternator of claim 1, which comprises several magnets, at least two of the magnets each comprising two separate parts.

[REDACTED] The alternator of claim 13, wherein most, preferably all, of the magnets each comprise separate parts.

*Subt a<sup>3</sup>*

*Add D27*